

FIG. 1

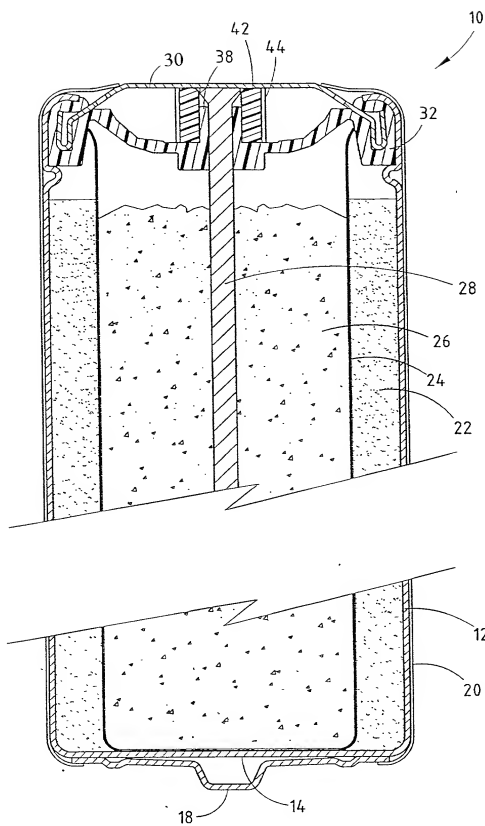


FIG. 2

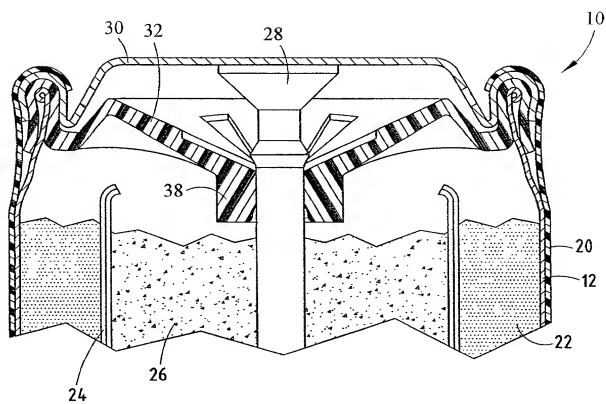


FIG. 3

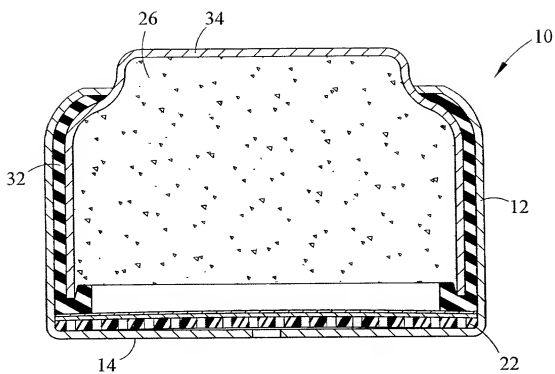
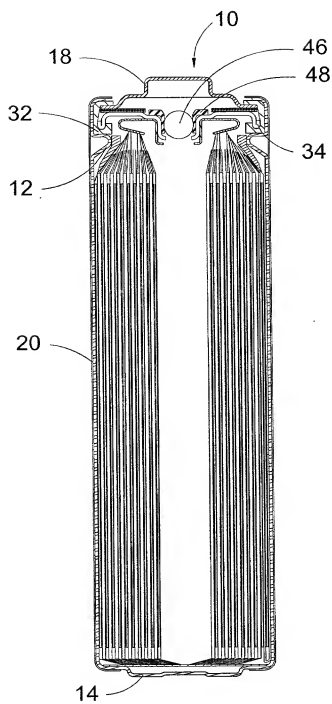


FIG. 4

Fig. 5



Property	Units	NORYL®				Nylon		Polypropylene	
		Extend™ PPX1110	Extend™ PPX7125	HIVALLOY® XPA047	NORYL® PX-0844	ZYTEL® 101		PYROFAX® 6524	AIM® 4800
Heat Deflection Temperature (dry as molded) 66 psi / 264 psi	deg F	236 / 171	256 / ---	264 / ---	250 / 235	455 / 194		207 / ---	205 / 200
Melt Viscosity (at molding temp. and shear rate 1000 sec <sup>-1</sup> )	poise	1700 (@ 500°F)	1700 (@ 500°F)			1300 (@ 550°F)			
Melt Flow Rate (at molding temp.)	g/10 min	10.6 (@ 260C)		8	< 4		4 (@ 285 C)		7.5
Coefficient of Thermal Expansion (in direction of flow) (73F, 50% RH)	in/in deg F	0.000050			0.0000410	0.000065		0.0000640	0.000045
Tensile Modulus (23C, 50% RH)	psi	195,000			325,000			125,000	260,000
Flexural Modulus (23C, 50% RH)	psi	225,000		625,000	325,000	175,000		250,000	270,000
Yield Stress (Type I, 2.0 in/min)	psi	5200		9500	7200	8500		5100	3500
Tensile Elongation to Break	%	195	150		42	300		300	50
Tensile Creep Deformation at Constant Load (1 hr to 1000 hrs; 114F; 1500 psi)	% dL/L	2.50		0.27		2.90			
Toughness (Izod impact, notched, 73F)	ft-lb/in	8.2	10.6	6.5	4.4	2.1		0.8	5.5
Water Absorption (24 hours @ 73F)	%	< 0.1	< 0.1	0.02	0.10	1.20		0.02	

Fig. 6

Fig. 7

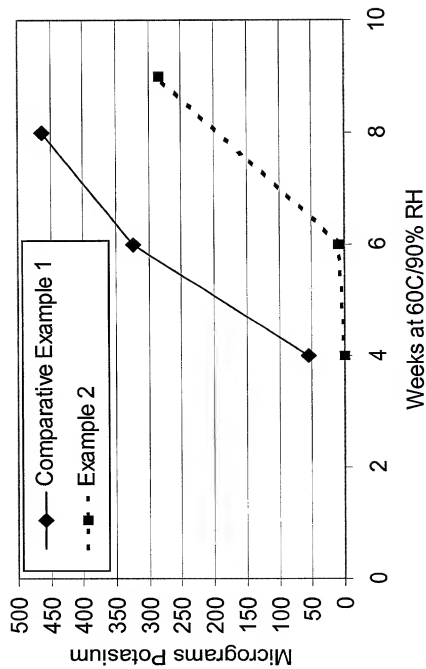


Fig. 8

